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(54) BLOOD SUGAR LEVEL DEPRESSING AGENT

(57) Abstract:

PURPOSE: To provide a blood sugar level depressing agent containing a compound such as 4-methoxy-N-3-pyridylbenzamide, etc. as an active component, and having excellent blood sugar level depressing effect and long duration of the activity.

CONSTITUTION: The agent contains the compound of formula [R_1 is H or lower alkyl; R_2 is straight-chain, branched-chain or cyclic alkyl, (nuclear-substituted) pyridyl, or pyridylmethyl; n is 1W3]as an active component. The active compound of formula can be pre-

pared easily by reacting an amine with a methoxybenzoyl chloride in the presence of a base such as triethylamine by conventional process. It is administered in an arbitrary form prepared by the conventional means for the preparation of ordinary drug preparation.

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$$CON \langle R_1 \rangle_{R_2}$$

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7138—4 C 7138—4 C

(全 5 頁)

9血糖降下剤

②特 願 昭56—167934

213/75

②出 願 昭56(1981)10月22日

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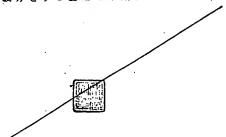
1. 発明の名称

血细路下剂

2. 特許請求の範囲

一般式

(式中、R1 は水素原子又は低級アルキル茶を示し、R2 は直鎖,分岐鎖又は環式アルキル茶、核に置換茶を有し得るピリジル苯又はピリジルメテル茶を示し、のは 1 ~ 3 を示す。) で表わされる化合物を有効成分とする血糖降下剤。



3. 発明の詳細な説明

本発明は、次の一般式

$$(OCH_3)_n$$
 [1]

(式中、R1は水素原子又は低級アルキル基を示し、R2は直鎖,分較鎖又は環式アルキル基、核に置換基を有し得るピリジル基又はピリジルメチル基を示し、のは1~3を示す。) で表わされる化合物を有効成分とする血糖降下剤の発明である。

上式〔1〕で表わされる化合物の中には、公知の化合物が含まれるが、それらの記載されている先行文献には血糖降下作用ないしそれを示唆する楽理作用は全く記載されていない。

上式 (1) で表わされる本発明の化合物は、例えば、以下の参考例に示すように、 アミン類とメトキシベンソイルクロライド類とを、 塩基、例えば トリエチルアミンの存在下常法により反応させる ことにより容易に得ることができる。 益考例.

3-アミノビリシン 9.4 f.トリエチルアミン15 m 及びアセトン 2 0 0 m の混合解液に、氷冷機律下、4-メトキシペンゾイルクロライド 1 7 f を徐々に加える。同温度で 3 0 分、次いで家園で1時間機律後反応解液を1 f の水に注ぎ、析出する結晶を評取し、水洗袋メタノールから再結晶して無色針状晶の 4-メトキシー N-3-ビリジルペンズアミド(化合物 1) 17.5 f を得た。収率 7 7 f m 点 168~170 で

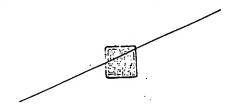
元素分析値 分子式 O₁₃ H₁₂ N₂O₂ として

 O
 H
 N

 理論値段
 68.41
 5.30
 12.27

 実測値段
 68.33
 5.27
 12.24

 上記と同様にして表1の化合物を得た。



妻 1
$$\left[\begin{array}{c} \left(\begin{array}{c} \left(\right) \\ \left(\right) \end{array} \right) \\ \end{array} \right) \\ \end{array} \right) \\ \end{array} \right) \\ \end{array} \right) \end{array}\right) \right) \right] \right)$$

					触点	収塞	元	業 分	析值
Aib	-(OMe) *	Ri	R ₂	分子式	(2)	(%)	理論信(%) 実測値(%)	0	н . к
2	2-0Ne	н	\Diamond	O13H12N2O2	112~114	7 6	6 8.4 1 6 8.4 9	5.30 5.24	1 2 2 7 1 2 3 1
3	•	•	n.	O14H14N2O2	. 8 0~8 2	8 3	6 9.4 0 6 9.3 2	5.8 3 5.8 0	1 1.5 6 1 1.5 9
. 4 .	,	•	Ö.	O16H16N2O2	85~87	9 1	7 0.2 9 7 0.2 4	6.29 6.23	1 0.9 3 1 0.9 9
5	3-OMe	e.		O13H12N2O2	121~122	8 5	6 8.4 1 6 8.4 8	5.3 0 5.3 6	1 2 2 7 1 2 2 1
6		,	\Diamond		155~156	8 3	6 8.4 1 6 8.4 3	5.3 0 5.3 1	
7	. ,	,	√ _N ne	O14H14N2O2	99~101	8 8	6 9.4 0 6 9.4 7	5.83 5.79	
. 8	4-0Me	•		O13H12N2O2	131~132	7 9	6 8 4 1 6 8 3 5	5.3 0 5.2 6	
9	•	•	- CH2 N	O14H14N2O2	150~153	6 5	6 9.4 0 6 9.3 6	5.8 3 5.7 9	
1 0	,	,	-CH3-	,	71~73	6 8	6 9.4 0 6 9.4 7	5.8 3 5.7 8	
1 1	,	,	√N _M		61~64	7 7	6 9.4 0 6 9.4 5	5.8 S	
1 2		,	D'ne	O15H16N2O2	136~137	8 2	7 0.2 9		

13	2,3-(OMe) ₂	н		O14H14N2O3	117~118	5 8	6 5.1 0 6 5.1 4	5.4 6 5.4 9	1 0.8 5
									
14	,	٠,		O15H16N2O3	110~111	6 2	6 6.1 6	5.9 2	1 0.2 9
			N _N Me	018111811201	110-111	0 2	6612	5.95	. 1 0.3 3
		,) X				6 7.1 1	6.34	9.78
1 5	,		I) He	. O1 6H1 8N 2O3	111~112	6 7	6 7.1 4	6.37	9.75
							66.16	5.92	1 0. 2 9
16	2,4 - (OMe) 2	•	- CH2	O15H16N2O3	98~99	5 1	6 6.1 1	5.87	1 0.3 4
·					 				
17		,	Ine ne		140~141		6 6.1 6	5.92	1 0.29
	<u>.</u>		-NJE Me		140-141	6 9	6 6.2 1	5.96	1 0.3 1
'			*	•			6 7.1 1	6.34	9.78
18		.*	N Me	C14H18N2O3	93~94	6 3	6 7.1 5	6.39	9.74
	•						6 6.1 6	5.92	1 0.29
19	2,6-(OMe)2		₩ Me	O15H16N2O3	155~156	6 7	66.22	5.97	1 0.2 4
			70				6 7.1 1	6.34	9.78
20		•	AN He	O16H18N2O3	206~209	63	6 7. 0 7	6.39	9.8 0
			N		 				
2 1	3,4 - (OMe)2	•		014H14N2O8	84~86	79	6 5.1 0	5.4 6	1 0.8 5
	4. (6		N.	01411411308		/ 9	6 5.1 6	5.41	1 0.87
	_						6 5.1 0	5.4 6	1 0.85
2 2	,			,	49~51	88	6 5.0 8	5.4 3	1 0.8 8
١						"	6 6.1 6	5.9 2	1 0.2 9
2 3		•	-CM2-N	O15H16N2O3	1 2 2~1 2 3	6 3	6 6.1 2	5.97	1 0.24
			-cH				66.16	5.9 2	1 0.2 9
2 4	•	•	- CH2	•	128~129	7.4	6619	5.88	1 0.3 3
			-		 				
2 5	•	,		,	131~132	7 5	66.16	5.9 2	1 0.29
	<u> </u>	<u> </u>	- MMe		1	' '	66.20	5.96	1 0.2 5

	1		1	r			
2 6	3,4-(OMe)2	н	Q _{re}	O16H18N2O3	69~71	63	6 7.1 1 6.3 4 9.7 8 6 7.1 5 6.3 7 9.7 7
2 7	,	,	i-Pr	O12H17NO3	144~145	8 5	6 4.5 5 7.6 8 6.2 7 6 4.5 9 7.6 1 6.2 3
2 8	,	,	n-Bu	O13H19NO3	83~84	8 8	6 5.8 0 8.0 7 5.9 0
2 9			s-Bu	,	<u> </u>		6 5.7 8 8.0 3 5.8 4 6 5.8 0 8.0 7 5.9 0
			3-DE		127~128	83	6 5.8 4 8.0 4 5.9 3 6 5.8 0 8.0 7 5.9 0
3 0	•		i -Bu	,	1,24~125	8 0	65.85 8.11 5.95
3 1	•	,	-{H}	O ₁₅ H ₂₁ NO ₃ -	181~182	9 1	6 8.4 1 8.0 4 5.3 2 6 8.3 6 8.0 7 5.3 6
3 2.	3,5 -(OMe) ₂	•	In me	O ₁₅ H ₁₆ N ₂ O ₃	96~97	8 5	6 6.1 6 5.9 2 10.2 9 6 6.1 2 5.9 8 10.3 2
33.	,	,	N Me	O16H18N2O3	119~120	8 7	6 7.1 1 6.3 4 9.7 8 6 7.1 8 6.3 7 9.7 2
3 4	3,4,5-(OMe) ₃	•		O15H16N2O4	154~156	6 5	6 2 4 9 5.5 9 9.7 2 6 2 5 3 5.6 4 9.7 1
3 5	•	,	\Diamond		157~158	7 7	6 2 4 9 5.5 9 9.7 2 6 2.5 2 5.5 6 9.7 3
3 6			- cu ₂	O16H18N2O4	115~116	5 8	63.56 6.00 9.27 63.52 6.04 9.25
3 7	•	,	-cu ₂	,	145~146	6 9	6 3 5 6 6 0 0 9 2 7 6 3 5 1 6 0 7 9 2 2
3 8	•	,	C) ne	,	127~128	6 4	6 3 5 6 6.00 9.2 7 6 3 5 9 6.03 9.2 9

3 9	3,4,5-(OMe)3	н	ne ne	O ₁₇ H ₂₀ N ₂ O ₄	145~146	7 1	6 4.5 4 6 4.5 8	6.37 6.32	8.8 6 8.9 0
4 0	•	•	n-Pr	O13H19NO4	114~115	7 3	6 1.6 4 6 1.6 0	7.5 6 7.5 9	5.5 3 5.5 7
4 1	,	1	i-Pr	•	154~155	77	6 1.6 4 6 1.6 6	7.5 6 7.5 4	5.5 3 5.5 8
4 2		•	n-Bu	014H21NO4	133~134	80	6 2 9 0 6 2 8 7	7.9 2 7.8 6	5. 2 4 5. 2 7
4 3	•	,	s-Bu		162~163	7 5	6 2 9 0 6 2 9 5	7.9 2 7.9 4	5. 2 4 5. 2 0
4.4	•	,	t -Bu		133~134	7 9	6 2 9 0 6 2 9 1	7.9 2 7.8 8	5. 2 4 5. 2 9
4 5	•	,	i-Bu	,	1 2 2~1 2 3	8 1	6 2 9 0 6 2 9 6	7.9 2 7.8 7	5.24
4 6	. •	. ,	- (H)	C16H23NO4	182~183	8 8	6 5.5 1 6 5.5 4	7.9 0 7.9 3	4.7 8 4.7 2
4 7	•	i-Pr	i-Pr	O16H28NO4	1 2 7~1 2 8	7 2	6 5.0 6 6 5.1 1	8.5 3 8.5 9	4.7 4

とのようにして得られる本発明の化合物は、優れた血・解下作用を有し、ヒトに対しては 0.1~100 m/ 以で有効で、1日1回 0.1~100 m/ ノロの投与で 2.4 時間以上その効力を持続する。

投与に際しては、通常の製剤化に用いられる慣用手段により所領の制型に成形された製剤が用い られる。

実施例 1.

1群5匹の5週令DDY系マウス(雄,体質25~309)を16時間絶食後、アロキサン75
マノタを静脈内に投与し、48時間後に、本発明化合物(200マノタ)の水溶液又はけん濁液を経口投与し、150分後に心臓から採血し、グルコースオキンダーゼ法により血中類量を測定した。例定結果を表2に例示する。

なか、製中の化合物裕号は、移着例の化合物番号に対応している。

2

	42 4
投与化合物	血 塘 値(※/d4) mean ± S.D.
オレ(対照)	47 \$±28
1	3 2 6 ± 4 2 **
3 .	378±31 **
4	3 6 4 ± 1 9 •••
6	3 7 8 ± 5 2 •
. 7	4 1 2 ± 3 3 •
1 2	/ 3 8 3 ± 2 8 ••
1 7	3 4 5 ± 4 1 ***
2 2	3 7 8 ± 3 7 ••
2 5	355±46 **
2 6	3 3 6 ± 3 2 ***
2 7	4 0 7 ± 3 0 •
2 8	4 0 2 ± 2 4 ••
2 9	4 2 1 ± 2 7 • ;
3 2	4 1 6 ± 2 3 •
3 3	4 0 2 ± 3 4 •
3 6	4 1 6 ± 2 1 ••
3 8	3 0 7 ± 4 3 •••
39 .	4 1 2 ± 3 1 *
4.1	4 2 1 ± 2 8 •
4 6	3 8 3 ± 4 1 · • •

*: P < 0.05 , * * : P < 0.01 , * * * : P < 0.001

夹熵例 2.

4- x 1 + v - N - 3 - 1 1 3# n

ペンズアミド(化合物1) 100 部

リン酸水岩カルシウム

5 8. 5 188

特格セルロース

50部

コーンスターチ

4 0 \$

ステアリ使カルシウム

1. 5 🕸

これらをよく混合し、常法により1錠250m に打錠(有効成分100m含有)し、血糖降下用 錠剤として用いる。

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第1頁の続き

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DRAFT TRANSLATION

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JAPANESE PATENT APPLICATION (A)

No. 58-069812

A HYPOGLYCEMIC AGENT

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Please Note- Names of Japanese firms, research laboratories and government entities, as translated are not necessarily identical with the names adopted by such organisations for international contacts. Japanese personal and surnames often permit of several readings and the ones used in this translation are not necessarily the ones preferred by their bearers. Foreign names mentioned in Japanese specifications cannot always be accurately reconstructed.

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(unexamined)	

Caution: Translation Standard is Draft Translation

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31/44		
// C07D 213/40		7138-4C
213/75		7138-4C

Specification

1. Title of Invention

Hypoglycaemic agent

2. Patent Claim

Hypoglycemic agent which has a compound represented by the following formula as the active component.

[In the formula, R_1 denotes hydrogen atom or lower alkyl group, R_2 denotes a linear, branched or cyclic alkyl group, a pyridyl group which may have a substituent on the nucleus or a pyridylmethyl group, and n denotes 1-3].

Q.

Caution: Translation Standard is Draft Translation

3. Detailed Description of the Invention

This invention is the invention of a hypoglycemic agent which has a compound represented by the following formula (I) as the active component

[In the formula, R_1 denotes hydrogen atom or lower alkyl group, R_2 denotes a linear, branched or cyclic alkyl group, a pyridyl group which may have a substituent on the nucleus or a pyridylmethyl group, and n denotes 1-3].

Known compounds are included in the aforesaid compound represented by the formula (I), but in the previous literature in which they are mentioned, there is no mention at all of a hypoglycemic effect or a pharmacological action suggesting this.

The compounds of this invention represented by the aforesaid formula (I) may be obtained readily by usual methods of reacting an amine compound with a methoxybenzoyl chloride compounds in the presence of a base such as triethylamine, as illustrated in the following reference example.

Reference Example

4-methoxybenzoyl chloride 17 g was added gradually under ice cooling and stirring to a mixed solution of 3-aminopyridine 9.4 g, triethylamine 15ml and acetone 200 ml. After stirring for 30 minutes at the same temperature then for 60 minutes at room temperature, the reaction solution was poured into 1 l of water, and the crystals which precipitated were collected by filtration and washed with water, then re-crystallised from methanol, to obtain 175 g of colourless acicular crystals of 4-methoxy-N-3-pyridylbenzamide (compound 1), melting point 168-170°C.

Elemental analysis	as molecular formula C ₁₃ H ₁₂ N ₂ 0						
	C	Н	N				
theoretical value (%)	68.41	5.30	12.27				
experimental value (%)	68.33	5.27	12.24				

The compounds of Table 1 were obtained in the same way.

CON (R₂

Table 1

				Molecular	· Melting	Yiel	d Eleme			ues
No.	-(OMe)n	R_1	R_2	formula	point		Calc	(%) (H	N
					(°C)	(%	6) Found	d(%) C	H	_N
		н		0 " " 0	112~114	7 6	6 8.4 1	5.30	1227	7
2	2-OMe.	"		O13H12N2O2			6 8.4 9	5. 2 4	1 2.3 1	4
	,	,	Q _n	O14H14N2O2	80~82	8 3	6 9.4 0	5.83	1 1.5 6	
3				0148148301	00.00		6 9.3 2	5.80	1 1.5 9	4
	,		Ö,	O16H16N2O2	85~87	9 1	7 0.2 9	6.29	1 0.9 3	ı
4 .			→ _N ≯ _{He}	0141114101			7 0.24	6.23	1 0.9 9	4
5	3-0Me			O13H12N2O2	121~122	8 5	6 8.4 1	5,30	1227	
l °	3-046			01111111101			6 8.4 8	5.3 6	1221	4
6	,	,		,	155~156	8 3	68.41	5.3 0	1227	-
			\Q _		100 100		6 8.4 3	5.31	1230	4
7			Q _n	O14H14N2O2	99~101	. 88	6 9.4 0	5.83	1 1.5 6	-
			→ _N	01411141101			6 9.4 7	5.79	1 1.6 0	4
8	4-OMe			O13H13N3O3	131~132	7 9	68.41	5.30	1227	1
	- 0	1					68.35	5.26	1231	-
9	,		- cu, (N)	0141141202	150~153	6 5	6 9.4 0	5.8 3	1 1.5 6	
		 	- CM2 - N J				6 9.3 6	5.79	1 1.5 2	4
10	•		-cmj-	,	71~73	6 8	6 9.4 0	5.8 3	1 1.5 6 1 1.5 8	-
		ļ					6 9.4 7	5.78		\dashv
111	•		A Ha		61~64	77	6 9.4 0	5.83 5.88	1 1.5 6 1 1.6 3	
	ļ		HI THE							\dashv
1 2	•			O16H14N2O2	136~137	8 2	7 0.2 9	6,29 6.34	10.93	
1		<u> </u>	- H Mc		J		7 0.3 7	434	. 0.0 5	

					• _				
1 3	2,3-(OMe)	н		O14H14N2O3	117~118	5 8	6 5.1 0 6 5.1 4	5.4 6 5.4 9	1 0.8 5
14	•	•	Ine ne	O15H16N2O3	110~111	6 2	6 6.1 6 6 6.1 2	5.9 2 5.9 5	1 0.2 9
1 5	•	,	Ö	. O1 6H1 8N 2O2	111~112	6 7	6 7.1 1 6 7.1 4	6.34	9.7 8 9.7 5
16	2,4 - (OMe) 2	•	- cm, (N)	O15H16N2O3	98~99	5 1	6 6.1 6 6 6.1 1	5.9 2 5.8 7	1 0. 2 9
17	,	•	€ ne	,	140~141	6 9	6 6.1 6 6 6.2 1	5.9 2 5.9 6	1 0.2 9
18	,	•	, n.	G16H16N2O3	93~94	6 8	6 7.1 1 6 7.1 5	6.34	9.7 8 9.7 4
19	2,6 - (OMe)2		∏ _N He	O15H16N2O3	155~156	6 7	6 6.1 6 6 6.2 2	5.92 5.97	1 0.29
2 0		•	<u>ڳ.</u>	O16H10N2O3	206~209	6 3	67.11	6.34	9. 7 8 9. 8 0
2 1	3,4-(OMe)2	•	4	O14H14N2O3	84~86	7 9	6 5.1 0 6 5.1 6	5.4 6 5.4 1	1 0.8 5
2 2	•	,	\Diamond	,	49~51	8 8	6 5.1 0 6 5.0 8	5.4 6 5.4 3	1 0.8 5
2 3	•	,	-cu2 - N	O16H16N2O3	1 2 2~1 2 3	6 3	6 6.1 6 6 6.1 2	5.9 2 5.9 7	10.29
2 4	•	,	- CH, N	•	128~129	7.4	66.16	5.9 2 5.8 8	1 0.2 9
2 5	•	,	A) He	,	131~132	7 5	66.16	5.9 2 5.9 6	1 0.2 9

	,								
2 6	3,4 - (O Me) ₃	н	Q _m	O16H18N2O3	69~71	63	6 7.1 1 6 7.1 5	6.3 4 6.3 7	9.7 8 9.7 7
2 7	,	,	i-Pr	O12H17NO3	144~145	8 5	6 4.5 5 6 4.5 9	7.68 7.61	6.27 6.23
2 8	,	,	n-Bu	013H19N03	83~84	8.8	6 5.8 0 6 5.7 8	8.0 7 8.0 3	5.9 0 5.8 4
2 9	,	•	s-Bu	•	127~128	8 3	6 5. 8 0 6 5. 8 4	8.07	5.9 0 5.9 3
3 0	•	•	i-Ba	,	1,24~125	8 0	6 5.8 0 6 5.8 5	8.07	5.9 0 5.9 5
3 1	•	,	₩	O16H21NO3 -	181~182	9 1	68.41	8.04	5.3 2 5.3 6
3 2.	3,5-(OMe) ₃	•	QN He He	O16H16N2O3	96~97	8 5	66.16	5.9 2 5.9 8	10.29
33.	,	,	N Me	O16H18N2O3	119~120	8 7	6 7.1 1 6 7.1 8	6.34	9.78
3 4	3,4,5-(OMe) ₃	,	0	O16H14N2O4	154~156	6 5	6249	5.5 9	9.72
3 5	•	•	\Diamond	•	157~158	7 7	6249	5.5 9	9.7 1 9.7 2 9.7 3
3 6	,	,	- CH2	C18H18N2O4	115~116	5 8	63.56	6.00	9.27
3 7		,	- (4)	,	145~146	6 9	6 3.5 6 6 3.5 1	6.00	9.25 9.27 9.22
3 8	•	,	€ ne	,	127~128	6 4	6 3 5 6 6 3 5 9	6.00	9.27 9.29

3 9	3,4,5-(OMe)3	н	A) ne	O ₁₇ H ₂₀ N ₂ O ₄	145~146	7 1	6 4.5 4 6 4.5 8	6.37	8.8 6 8.9 0
4 0	•	,	n-Pr	O19H19NO4	114~115	7 3	6 1.6 4 6 1.6 0	7.5 6 7.5 9	5.5 3 5.5 7
4 1	,		1-Pr	•	154~155	77	6 1.6 4 6 1.6 6	7.5 6 7.5 4	5.5 3 5.5 8
4 2	,	•	n-Bu	O14H21NO4	133~134	8 0	6 2 9 0 6 2 8 7	7.9 2 7.8 6	5.24 5.27
4 3		•	s - B u		162~163	7 5	6290	7.9 2 7.9 4	5. 2 4 5. 2 0
44	•	•	t-Bu	,	133~134	7 9	6 2 9 0 6 2 9 1	7.9 2 7.8 8	5.24 5.29
4 5	•	•	i-Bu	,	122~128	8 1	6290	7.9 2 7.8 7	5.24 5.28
4 6	•		-(H)	O14H28NO4	182~183	88	6 5.5 1 6 5.5 4	7.9 0 7.9 3	4.78
4 7	•	i-Pr	i-Pr	O16H28NO4	127~128	7 2	6 5.0 6 6 5.1 1	8.5 3 8.5 9	4.74

The compounds of this invention obtained in this way have excellent hypoglycemic action, and are effective at 100 mg/kg in man, and their effect is maintained by administration of 0.1-100 mg once a day for 24 hours or more.

For administration, a preparation is used which has been formed into the desired form by a customary means normally used in drug formulation.

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Example 1

5-week-old mice (male, body weight 25-30g) with 5 animals in a group were fasted for 16 hours, and then alloxan at 75 mg/kg was administered intravenously. After 48 hours, a solution or suspension of a compound of this invention (200 mg/kg) was administered orally, and after 150 minutes, blood was taken from the heart and the glucose level was measured using glucose oxidase. The measurement results are exemplified in Table 2.

Table 2

Administered	Blood glucose value (mg/dl)						
compound	mean \pm S.D.						
None (control)	473 ± 28						
1	3 2 6 ± 4 2 ••						
3	3 7 8 ± 3 1 ••						
4	364±19 •••						
6	378 ± 52 •						
7	4 1 2 ± 3 3 •						
1 2	3 8 3 ± 2 8 • •						
1 7	3 4 5 ± 4 1 •••						
2 2	378±37 ••						
2 5	3 5 5 ± 4 6 ••						
2 6	3 3 6 ± 3 2 •••						
2 7	407±30 •						
2 8	402±24 ••						
29	4 2 1 ± 2 7 • ;·						
3 2	4 1 6 ± 2 3 •						
·3 3	402±34•						
3 6	4 1 6 ± 2 1 ••						
3 8	3 0 7 ± 4 3 •••						
39 .	4 1 2 ± 3 1 •						
4.1	4 2 1 ± 2 8 •						
4 6	3 8 3 ± 4 1 ••						
*: P < 0.05 , **: P < 0.01 , ***: P < 0.001							

In the Table, the compound number corresponds to the compound number of the reference examples.

Example 2

4-methoxy-N-3-pyridylbenzamide (compound 1)	100 parts		
calcium hydrogen phosphate	58.5 parts		
crystalline cellulose	50 parts		
corn starch	40 parts		
calcium stearate	1.5 parts		

These components were mixed well and pressed into 250 mg tablets (content of active component 100 mg/tablet) by usual methods, for use as a hypoglycemic agent.

7 Caution: Translation Standard is Draft Translation

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